

ABSTRACT

The invention provides a lithium secondary battery which is excellent in long-term cycle property and in battery characteristics, such as electric capacity and storage property, and a nonaqueous electrolytic solution usable for such a lithium secondary battery. The present invention relates to a lithium secondary battery including a positive electrode, a negative electrode, and a nonaqueous electrolytic solution containing an electrolyte salt dissolved in a nonaqueous solvent, characterized in that the positive electrode is made of a material including a lithium compound oxide, in that the negative electrode is made of a material including graphite, and in that the nonaqueous electrolytic solution contains dialkyl oxalate and further contains vinylene carbonate and/or 1,3-propanesultone, and a nonaqueous electrolytic solution for use in such a battery.